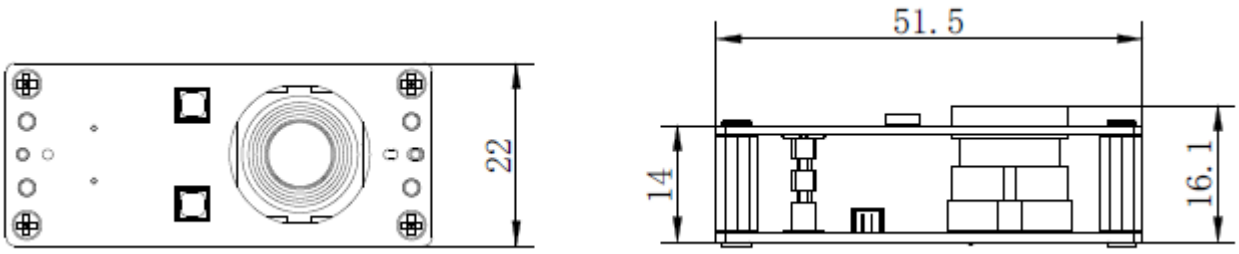
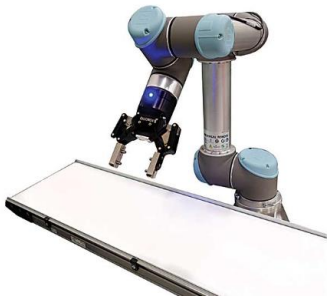


Vzense DCAM10 is a Development Board specifically for Depth Sensor Module, based on TOF (Time of flight) technology. It is a functional platform which facilitates the development of specific depth sensing systems and reduces innovation cycles. From factor and power consumption enable integration into devices, e.g. Home Automation, Robotics, Augmented Reality, Micro-Projector, VR, Drones or Automotive.

Advantages

- **High Revolution**
  - VGA resolution of raw depth data
- **Long Distance**
  - Up to 5m with customized service
- **Outdoor Use**
  - Can work under 100K LUX ambient light environment
- **Wide FOV**
  - Up to 100° horizontal FOV with customized service
- **Strong Reliability**
  - -10°C~50°C working temperature environment

Application Fields



Cobot

Volume Measurement

Palletization

Mobile Robot

Specification of DCAM10

Parameter	DCAM10
Technology	TOF (Time of flight) Depth Camera
Depth Sensor Format & Frame rate	up to 640 x 480(VGA)@30FPS
Output format	Depth Map(RAW12)
Depth Sensor Field of View H - Horizontal, V - Vertical (degree)	H - 58° (Customizable) V - 43.84°
Distance Range	0.2m - 5m (Customizable)
Accuracy	<1%
Power Consumption	<2W (3 meter)
Illumination	In-door 850nm/Out-door 940nm, VCSEL
Dimension (L*W*H)	51.5mm x 22mm x 16.1mm
Weight	13.9g
Interface	MIPI CSI-2
Algorithm / Software	C/C++ SDK, OpenNI, ROS
Operation System	Android / Linux / Windows7/8/10